



**PORT OF TACOMA &
THE NORTHWEST SEAPORT ALLIANCE
REQUEST FOR QUALIFICATIONS
No. 070349**

**MATERIAL TESTING & INSPECTION FOR THE
PIER 4 PHASE 2 RECONFIGURATION (091251)**

Issued by
Port of Tacoma
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RFQ INFORMATION	
Contact:	Jana Prince, 253-383-9459
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Submittal Date	THURSDAY, JUNE 9, 2016 @ 2:00 PM

Please submit all correspondence and statement of qualifications via e-mail directly to the procurement contact listed above and include in the subject line:

'MATERIAL TESTING & INSPECTION FOR THE
PIER 4 PHASE 2 RECONFIGURATION (091251)

PORT OF TACOMA &
THE NORTHWEST SEAPORT ALLIANCE
Material Testing & Inspection for the Pier 4 Phase 2 Reconfiguration (091251)
Request for Qualifications (RFQ) #070349

The Port of Tacoma on behalf of the Northwest Seaport Alliance (Port) is soliciting Statements of Qualifications (SOQ) from highly qualified teams interested in providing construction material testing and special inspection services for the Pier 4 Phase 2 Reconfiguration Project. The selected firm will perform requested material testing, soil characterization, and special inspection services as a member of the Port's Construction Management Team during project construction, which has an anticipated start date of June, 2016 and duration of approximately two (2) years.

A. CONTRACTING DESCRIPTION

The Port will select the most qualified team(s) (team includes all key members whether from the prime consultant firm or subconsultants for all necessary project services) and enter into negotiations with the intent to issue **one or two professional service agreement(s)** based upon the information provided herein and the needs of the project. Following successful negotiation of rates and fees, the Port will execute the agreement(s) for all services requested for the entire project.

The scope of professional services is contingent on the work of the construction contract for this project; therefore the Port reserves the right to amend the general statement of work tasks listed below as required to accomplish the project scope and goals.

Overall contract period of performance (to be extended, as needed through contract amendments) is intended to encompass the duration of the construction contract.

The following documents are attached to this RFQ:

- Attachment A – Instructions for Proposing
- Attachment B – Sample Professional Service Agreement
- Attachment C – Standard Terms and Conditions
- Attachment D – Project Terms and Conditions
- Attachment E – Sample Rate Sheet
- Attachment F – Project attachments, if any

* By submitting a Statement of Qualifications (SOQ), the Proposer represents that it has carefully read all attachments. As applicable, proposers shall identify and propose alternate wording, if any, to these documents as an appendix to their submitted SOQ.

B. PROJECT BACKGROUND, SCOPE AND GOALS

PROJECT BACKGROUND

The Port of Tacoma on behalf of the Northwest Seaport Alliance (Port) is constructing the Pier 4 Phase 2 Reconfiguration Project which will result in creating one contiguous 2960-foot pier structure capable of simultaneously berthing two ultra-large container ships (ULCS). The new pier structure will be designed to accommodate 100-foot gauge, 24-wide container cranes including upland site and electrical improvements necessary for the ULCS and cranes.

SCOPE OF PROJECT

The scope of the overall construction project includes, but is not limited to the following:

- a. Pier demolition activities including removal of existing pier structure and appurtenances, concrete piles, creosote treated timber piles and steel pipe piles.
- b. Test pit exploration and testing for potential hazardous substances; characterization of potentially contaminated materials for upland disposal at a licensed Subtitle D solid waste facility.
- c. Upland demolition activities including removal of an existing marine building, substation, existing utilities, asphalt pavement, high-mast light pole foundations and temporary bank protection including concrete pile remnants, filter fabric and sandbags.
- d. Installation of stone column ground improvements.
- e. Rip rap removal and cutback dredging of the existing channel slope including open water disposal of dredge material at the DMMP Open Water Dredge Disposal Site.
- f. Installation of a riprap slope protection system on the dredged slope.
- g. Pier structure construction, including installation of 24-inch octagonal precast prestressed concrete piles, cast-in-place/precast concrete deck, Lead Rubber Bearings, sheet pile cut-off wall, and mooring dolphin.
- h. Under-dock repairs of spalled and delaminated concrete in the portion of the existing Pier 4 structure to remain.
- i. Installation of pier appurtenances including water, electrical, communication utilities, bollards, crane rail, crane stowage hardware, isolation joint hardware, panelized fender system and asphalt pavement surfacing and striping.
- j. Construction of a new 2-story Marine Building (approx. 7000 sq. ft.). j. Upland civil improvements including storm, water, sewer, electrical and communication. Associated upland structural and electrical improvements, including:
 - 1) Relocation of high-mast light poles.
 - 2) Relocation of storm drainage lines, existing outfalls, and installation of new storm water treatment vaults.

- 3) Installation of fire and domestic water systems.
- 4) Construction of a new electrical distribution system and substation to support lighting (480V), power (208V), and crane power (13.8kV). Provisions will be installed for a future Alternative Marine Power system (shore power cold ironing).
- 5) Asphalt paving and striping.

The full scope of the construction work planned for the Pier 4 Phase 2 Reconfiguration Project, including the construction bidding documents (specifications and drawings) and reference documents, is located on the following website:

<http://portoftacoma.com/contracts/procurement/070136/pier-4-phase-2-reconfiguration-091251>

PROJECT SCHEDULE

The following schedule milestones have been identified for the Pier 4 Phase 2 Reconfiguration Project Construction Contract:

Milestone:	Date:
Bid Opening	May 19, 2016
Executed Contract*	June 1, 2016
Notice to Proceed*	June 7, 2016
Substantial Completion Area 1*	November 2017
Substantial Completion Area 2*	April 2018

C. PROFESSIONAL SERVICES SCOPE OF SERVICES AND WORK TASKS

The scope of services for this contract is to provide a comprehensive range of construction material testing and inspection for quality assurance and/or quality control during project construction for the Port.

The full detailed scope and project tasks will be negotiated with the selected team. Specific types of materials sampling and testing needed on this project are as required to accomplish all work associated within the scope of the Pier 4 Phase 2 Reconfiguration Construction Project.

Services may be required on construction sites, the facilities of material suppliers, manufacturers and/or fabricators, and/or at an Accredited Laboratory facility.

Generally, material testing and inspection services will include, and are not limited to, the following items:

Project Management and Coordination

- Provide designated Project Manager(s) for the duration of the construction contract
- Scheduling of Services to not delay work by the Port or the Port's Contractor
- Provide inspection and weekly test reports for inclusion into the project files.
- Final inspection reports

Field Sampling and Testing

- Field sampling and testing of concrete for slump, temperature, unit weight, air content and molding of compressive or flexural strength specimens performed by personnel certified by the American Concrete Institute (ACI) as a Concrete Field Testing Technician – Grade 1.
- Sampling of aggregates, soil, soil-aggregate mixtures or asphalt at the source or jobsite, including from stock-piles and/or trenches
- Field compaction testing using a nuclear density gauge for soil, soil-aggregate mixtures or asphalt.
- Obtaining drilled cores of asphalt or concrete.
- Proctor and/or Rice laboratory densities
- In-situ density testing
- Suspect on-site soil sampling, laboratory testing and reporting.

Reporting

- Receive analytical results from laboratory, summarize into draft and final reports

Laboratory Testing - Hot Mix Asphalt

Laboratory Testing - Soil and Aggregates

- Sampling and testing of all import materials for gradation and or other elements
- Sampling and testing of soil and sediments for hazardous substances

Laboratory Testing - Concrete and Masonry

- Sampling and Testing of Portland Cement Concrete Pavement
- Sampling and testing of structural concrete

Reinforcement steel weld testing.

Washington Association of Building Officials (WABO) certified inspection services as part of City of Tacoma permit requirements and as required as outlined in Chapter 17 of the International Building Code

Testing to be per WSDOT, ASTM, ACI, AWS, ANSI and AASHTO Standards

Additional other miscellaneous tasks generally associated with Material Testing and Inspection for Port public works projects.

MINIMUM QUALIFICATIONS

Firms shall be fully Certified by Washington Association of Building Officials.

All field personnel employed by the firm shall be WABO Certified for the category of service required.

The Consultant and approved subconsultants will maintain an accredited laboratory facility in Pierce, Thurston and/or King County. Accreditation shall be from the American Association of State Highway and Transportation Officials (AASHTO) for the following:

- A. Quality Systems (AASHTO Materials Reference Laboratory R-18).
- B. Hot Mix Asphalt.
- C. Soil.
- D. Aggregate.
- E. Portland Cement Concrete.

The Consultant and approved subconsultants will perform testing for all hazardous substances using methods specified in U.S. Environmental Protection Agency (EPA) "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) using a laboratory accredited by the Washington State Department of Ecology

D. SOQ ELEMENTS & EVALUATION CRITERIA:

Submittals should present information in a straightforward and concise manner, while ensuring complete and detailed descriptions of the proposing team (to include the prime, key team members and major sub-consultants) and the team's ability to meet the requirements and provide the requested services listed in this RFQ. Attention will be paid to technical competence and completeness of content. The written SOQ shall be prepared in the same sequential order of SOQ criteria outlined below.

SOQs must not exceed **6 numbered pages** (8 ½ by 11 inch) **excluding** the cover page, cover letter and requested appendices. All pages shall be in portrait orientation with 1 inch margins. Font size shall be 11 point or larger. SOQs that do not follow this format will not be reviewed. Use of color is not prohibited but note that SOQs are often reproduced for review in black and white.

The cover letter shall include the RFQ Title and Number; Name, Title, Email Address, Phone Number and Addresses of the Proposing's team main contact and include the following information:

- Descriptions of all claims submitted by any client against the prime within the past two years related to the professional services provided by the prime (inclusive of the prime and sub-consultants) or their key personnel. For this purpose, "claim" means a sum of money in dispute in excess of 10% of the prime's fee for the services provided;
- Any real or perceived conflicts of interests for team members, inclusive of the prime, sub-consultants and key team members.

SOQs are to address, and will be evaluated upon, the following criteria:

INITIAL EVALUATION PHASE

1. Qualifications and experience of the key team members who will be responsible for overseeing and performing the services35 PTS

- a. Describe key personnel of the proposed team and overall organization of the project team. Provide a summary of background, experience, technical competence and qualifications of key personnel (include working titles, degrees, certificates and licenses, etc.) and their project specific roles and responsibilities. Emphasize experience and expertise in performing services of similar scope and complexity.
- b. Provide a summary of proposing team's services, experience and expertise related to the elements described in the scope of services and more specifically with Experience in providing other services identified in Section C, Professional Services Statement of Work Tasks.
- c. Provide a list of references for recent contracts/projects, to include a client point of contact name and title, contact information (phone and email), period of performance, key personnel involved, and brief description of services relevant to the services being requested. Only projects completed by proposed key team members will be considered.

2. Project Approach Narrative35 PTS

SOQs should clearly outline the team's recommended approach and methodology for:

- Accomplishing the necessary services to accomplish the project scope: Clearly describe the approaches and methods that will be used to accomplish the necessary services. Include a summary of innovative ideas and suggestions for implementing or enhancing the scope of services.
- Coordination & Communication: Provide a plan for communications and coordination between the project team, the Port's project manager and the various stakeholders.

3. Project Schedule 20 PTS

Describe the team's availability, capacity and ability to undertake the work immediately and dedicate the necessary personnel and resources to meet the anticipated schedule.

Discuss how the team anticipates approaching and adhering to the milestone schedule listed above and what risks and/or constraints may negatively affect the timeline. Describe experience and approach in addressing scheduling constraints.

4. Accuracy and Completeness of the SOQ 10 PTS

SOQs will be evaluated on the following criteria:

- Formatting and layout.

- Spelling and grammatical accuracy.
- Legibility of figures and chart information.
- Coherent and logical flow of written responses.

FINAL EVALUATION PHASE (if applicable)

5. References.....50 PTS

The Port will evaluate the reference checks to assess the project team's overall performance and success of previous, similar work. Reference checks will also be utilized to validate information contained in the SOQ. Reference checks may be checked on only the selected, most qualified team, or the short-listed teams.

6. Interviews (as requested by the Port).....100 PTS

If an award is not made based on the written evaluations and references alone, interviews may be conducted with the top-ranked teams. Failure to participate in the interview process will result in the team's disqualification from further consideration. The Port will inform top-ranked teams invited for an interview of the interview schedule, agenda and criteria for scoring to time of invitations.