AOOS

Request for Bids - Contract work for developing mobile web-based application for Mariner's Dashboard

Project Summary

The [Alaska Ocean Observing System](#) (AOOS) hosts three regional "Mariner's Dashboards" on our main data portal, the [Ocean Data Explorer](#). These dashboards were developed to provide real-time data and information relevant to mariners in [Prince William Sound](#), [Cook Inlet](#) and [Kodiak](#). AOOS is seeking bids for creating a mobile-friendly web application prototype (and/or website) to allow mariners to use the Mariner's Dashboards on mobile devices such as cell phones and tablets.

This project is Funded by AOOS and as such is subject to Procurement Guidelines as is required by 2 CFR 200.320 and subject fair and competitive business practices.

About AOOS

AOOS is one of 11 regional systems across the US coast that represent NOAA's Integrated Ocean Observing System (IOOS), a national-regional partnership working to use ocean data and information products in innovative ways to improve maritime safety, enhance the economy, and protect our environment. The data are available in real time, near-real time, or retrospectively. Easier and better access to this information is improving our ability to understand and predict coastal events such as storms, wave heights, sea levels, and ecosystem change. Such knowledge is needed for everything from blue economy businesses such as commercial fishing and aquaculture to subsistence use to coastal planning.
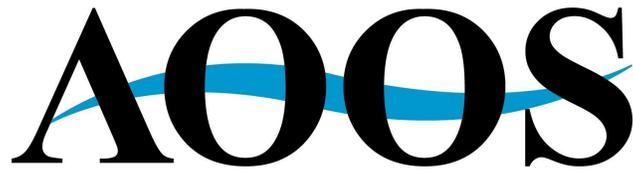
AOOS Mission
AOOS works collaboratively to identify and fill gaps in ocean information and provide accurate and reliable data, applications and services for decision making.

Goals of this project

The goal of this project is to have a mobile-friendly, low-bandwidth, platform for the Mariner's Dashboards.

Deliverables

The contractor will provide a mobile friendly solution for users to access the Mariner's Dashboards. This contract will cover development of a web-based application that can serve as

a prototype that is used to solicit feedback for future development of a native (iOS and Android) application.
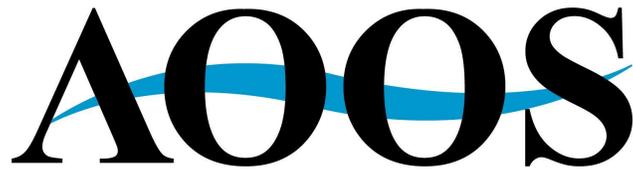
Project Details

- Data included in the Mariner's Dashboard is hosted on the AOOS [Ocean Data Explorer](#), which is managed through a contract to Axiom Data Science.

- Data displayed in the Mariner's Dashboards includes primarily publicly available data including:
    - Air temperature, barometric pressure, water levels, wind speed and gusts, waves height and direction, etc.
    - NOAA Marine forecasts and tide predictions

- The contractor will be expected to pull data from the AOOS Ocean Data Explorer, and existing Mariner's Dashboard for inclusion in the mobile friendly platform.

- The contractor will be required to make the code for this mobile platform available on GitHub.

- The contractor will be expected to meet with the AOOS Project Manager/DataTeam at the initiation of the project to develop a workplan.

- The contractor will be expected to communicate via email with the AOOS Project Manager regularly (at least bi-weekly) to update on progress, review drafts of the mobile platform, resolve issues, etc.

- A prototype of the mobile platform will be due within three months of initiation of the contract for review by the AOOS Project Manager and Data Team. The AOOS Project Manager will provide a review of this first deliverable within 14 days to ensure the scope of work has been met. A timeline for delivering additional work on the prototype (based on focus group feedback) will be discussed at contract initiation, but will be at least monthly.

Budget

AOOS expects that this contract will be under $25k.

Vendor Selection Criteria
- Experience creating/developing web-based applications (native applications, cross-platform applications, hybrid-web applications and/or progressive web

applications). Examples of previous work accomplished by the vendor should be provided, if available.

- Familiarity with GIS or other geospatial software.
- Budget and budget justification. AOOS expects this contract will be under $25k.
- Experience with Alaska or other remote low bandwidth areas is a plus.
- Must be able to provide a UEI number and active SAM.gov registration (Federal contractor), valid business license, W9, and be in Good Standing in the Alaska Corporations Database (or other applicable state website).
- Potential vendors may be requested to submit a Certificate of Insurance (COI) at $1 million in Commercial General Liability, Workers' Compensation, Professional Liability, and Business Auto. COIs will also be required to list AOOS as Additional Insured and contain a Waiver of Subrogation that waives all rights of subrogation in favor of AOOS at 1007 W. 3rd Avenue, Suite 100, Anchorage, Alaska 99501.
- Provide communication if you are considered by the SBAC any of the following - Small Business, Minority Owned, Women's, or Indigenously affiliated.

Proposed Timeline

Proposals are due no later than 5pm AK time on March 22, 2023. AOOS will review proposals and make a decision by April 3, 2023.

We expect this project to be completed before November 30, 2023. Changes to the schedule may be negotiated between the contractor and AOOS Project Manager. Future work on this project may be available subject to availability of grant funds.

Contact Information

Please direct all responses to this Request For Bids and/or any questions to:

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