

Request for Information: 2522S021



State of Alaska
Department of Transportation & Public Facilities
Division of Administrative Services

Date Issued: August 24, 2021
Responses Due: 2:00pm on October 5, 2021

Vessel Based Maintenance Management System for the Alaska Marine Highway System.

Introduction

The Department of Transportation and Public Facilities (DOT&PF), Alaska Marine Highway System (AMHS), is soliciting proposals from vendors with the capacity and ability to deliver and implement a cloud hosted Maintenance Management System (MMS) software package for the long-term record of all AMHS vessel based assets. The system will be deployed on each AMHS vessel. At a minimum, the proposed system must have the ability to:

- Maintain an inventory of AMHS vessel assets;
- Develop, manage, and prioritize capital project plans;
- Track forecasted lifecycle replacement needs for assets;
- Estimate anticipated maintenance costs for assets by asset and asset class;
- Track asset condition assessments and other inspection results;
- Schedule, assign, and track work jobs and preventative maintenance tasks;
- Track reactive maintenance tasks to include issues, causes, and solutions;
- Maintain a historical record of work performed on assets, asset classes, and their associated costs;
- Produce scheduled and ad hoc reports on multiple data points that are exportable to Microsoft Excel;
- Account for annual maintenance expenditures in a systematic manner; and,
- Provide a means to develop risk assessments for each maintenance or repair task.

Background Information

The goal of this project is to have the awarded contractor provide and implement a cloud hosted single software platform to serve as the ongoing Maintenance Management System (MMS) for all AMHS vessels. Ultimately, the system will become the single system **of record for all AMHS** vessel based assets.

Vessels and Vessel Components

The State of Alaska, DOT&PF, AMHS currently operates a fleet of 9 roll-on/roll-off passenger ferry vessels. Depending on anticipated traffic and budgetary constraints, the AMHS reserves the right to increase or decrease the number of vessels using the MMS under the intended contract. The following table is a list of the current vessels:

Vessel List

M/V Aurora	M/V Kennicott	M/V Matanuska	M/V Tustumena	M/V Tazlina
M/V Columbia	M/V LeConte	M/V Hubbard	M/V Lituya	

Vessels generally include a wide range of assets including, but not limited to:

Main Propulsion Engines	Hydraulic Systems	Refrigeration Systems	Electrical Generators
Pumps	Winches	Transformers	Electrical Switchboards
Shafts	Gates and Ramps	Thrusters	Vibration Dampeners
Fans	Tanks and Tank Systems	Valves and Valve Systems	Motors
Radar Systems	Wireless Networks	Electrical System	Propellers

While the above is small representation of the assets that can be found on a vessel, it must be noted that some vessels may have more or less assets than others.

The current vessel system is a product called AMOS Business Suite Version 8.6.23.

Response Information

Interested parties are invited to submit responses to the following:

- Provide the name, address, email address and phone number of the primary contact person
- Provide a detailed description of your company's capabilities and experience related to providing vessel based Maintenance Management Systems.
- Provide a detailed description of the software product your company offers. This description should include details regarding the proposed systems' ability to deliver features such as those described in the introduction above.
- Provide short list of entities for which the company has installed the software and describe if the entities is similar in nature to the Alaska Marine Highway System in regards to fleet size.
- Indicate if your company is capable of providing and implementing the Maintenance Management System software and how long it generally takes to implement such a system.

Responses to this RFI are for informational purposes only. Do not include cost estimates as they will not be considered in a response.

It is the responsibility of the interested party to follow up with the procurement officer listed below to ensure the response was received prior to the time and date specified.

This RFI does not extend any rights to prospective vendors or obligate the state to conduct a solicitation or purchase any goods or services.

Procurement Officer Contact Information

Interested parties must submit a written response to the Procurement Officer no later than 2:00pm on October 5, 2021. Responses may be emailed to the following address:

dotstatewideprocurement@alaska.gov

Point of Contact:

Tom Mayer
Procurement Officer
Department of Transportation & Public Facilities
Division of Administrative Services

Phone: 907-465-8855
Email: tom.mayer@alaska.gov