

Southeast Conference Annual Meeting

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Vessels

M/V Matanuska Repower Winter 2018 to June 2019

The Matanuska Federal project is ongoing, consisting of the addition of new engines and a new steering system replacement during the winter of 2018 and into the spring of 2019. This project will replace the main engines, reduction gears, control systems, shafting, propellers, rudders, associated auxiliary equipment, switchboard, exhaust and waste heat boilers, bow thruster, steering gear, electrical generation switch boards, house and stack repairs, painting, security upgrades, miscellaneous system upgrades, rescue boat and davit upgrades, structural repairs, exterior and interior paint, and a state overhaul. Also included in the project is a USCG mandated major conversion, which will bring many of the SOLAS requirements up to present day standards. The contract was awarded to Vigor Industries in Portland Oregon, and commenced in November 2017, and current plans have the vessel re commencing revenue service in July 2019

Malaspina SOLAS Waiver

The AMHS has received a SOLAS waiver for the Malaspina to run into Prince Rupert in place of the Matanuska. The waiver will expire in August 2019.

Fleet wide Lifesaving Equipment Upgrades

AMHS has an ongoing federally sponsored project to upgrade fast rescue boats and davits where needed. To date, the Columbia and Kennicott have had new davits and new fast rescue boats installed. The Fairweather has had a new fast rescue boat davit installed, and the Matanuska will receive a new davit and fast rescue boat during the winter of 2018/ 2019 while in its re-power project.

Chenega Layup Update

The Chenega continues to remain in an unmanned layup in Ward Cove, Ketchikan. Per a contract between the State and Ward Cove Industries, the vessel is being monitored for security purposes. AMHS engineering staff also makes scheduled visits to the ship to check on the vessels condition.

Fairweather Update

The Fairweather will complete revenue service on November 18, 2018 in Prince William Sound, and will then proceed to Vigor Shipyard in Ketchikan for removal of its waterjet drive units for storage, and will then proceed to a yet to be determined long term layup dock facility to commence long term preservation of on board equipment and a long term layup. The Prince William Sound service gap from November 19 to December 11, is due to USCG regulations regarding high speed craft operating under the international high speed code, being required to have night certifications for crews covering the routes run after twilight, and the AMHS's lack of time, and the needed funding to certify the crews.

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Satellite Communications System

The AMHS has awarded a new vessel Satellite Communications System contract to GCI Communication Corporation. The new contract and service will add additional broadband, faster delivery and receiving of data speed, new vessel hardware, along with providing the needed connectivity for the use of the new reservation system hand held scanners.

Passenger Services Upgrade Amenities Project

A federally funded fleet wide passenger services upgrade project is in the early stages of planning. Upgrades to public spaces will also include galleys. Work will be completed during vessel overhauls and CIP's. Vessels receiving upgrades will be the Matanuska, Malaspina, Leconte, Aurora, and Lituya.

Tustumena Replacement Vessel Project

The 100% PS&E (Plans Specifications and Estimates) package is complete.

The TRV project was in the FY 18 Capital Budget which has been approved, therefore the state now has the authority to spend project related federal and state matching funds from the vessel replacement fund.

Currently the Buy America Waiver Request is with the Federal Highway Administration in Washington D.C. undergoing a review process. Pending initial approval, the waiver will then be posted for public comment. After completion of the public comment period, the waiver request will next be reviewed for final approval or rejection. Of note, very few waivers have been approved under the current Administration in Washington D.C.

AMHS management is actively working with the offices of Senators Sullivan and Murkowski along with FHWA in an effort to get the needed waivers approved.

Dependent upon the Buy America Waiver request approval progress, AMHS continues to plan on delivering the ship for revenue service by December 2022, or early 2023.

Tustumena Replacement Vessel Characteristics

- Length Over All (LOA) | 330 Feet
- Depth | 24.5 Feet
- Breadth Over All (BOA) | 71 Feet
- Design Draft | 15' – 10" to 16' – 6" (End of Service Life)
- Air Draft | 90 Feet
- Cruise / Service Speed | 15 Knots
- Vans & Cars | 12 Vans & 27 Cars
- Cars Only | 54
- Vehicle Loading Ability | Stern & Side (Port & Starboard)
| Vehicle Elevator

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- Vehicle Lane Length | 1,180 Feet
- Passengers | 250 (Berths for 104)
- Officer & Crew | Minimum Manning IAW Regulatory Requirement

New Reservation System

The new reservation system is now being used throughout the system. While implementation of the new system has not been without its challenges, the transition process has gone relatively smooth due to the hard work of terminal and vessel staff. The handheld scanners and kiosks are still being tested to ensure full functionality with kiosks being ready for use in selected manned terminals in the near future. The hand held scanners work well with cellular connectivity, although in ports without a cellular connection, an off line operation is still necessary. The goal of the new satellite system contract is to remedy the hand held scanner issues in some ports which have a lack of cellular connectivity. AMHS continues to work closely with the reservation system contractor, to resolve all of the issues that have come up since the go live, and continue to make improvements so as to increase efficiencies for both customers and staff.

Alaska Class Ferries

The MV Tazlina was christened on 8/11/18. The Go forward plan for Tazlina is to finish the sea and dock trials, get all the required test memos and acceptance requirements signed off and take acceptance of the ship. Once the state accepts the ship, the plan is for the Tazlina to operate as a day vessel commencing revenue service during May 2019 servicing Juneau, Haines and Skagway. The Hubbard construction is progressing well and Vigor Shipyard is now indicating a December 2018 delivery.

Asset Management System

Operations and Engineering is working with ISSD/OIT and DOT SE Procurement to draft an RFP for a new maintenance management system, which is a system designed to electronically record and track all vessel maintenance. The upgrade is needed to satisfy the AMHS's Safety Management System requirements. The Office of Information Technology will conduct a spend review before the RFP can be posted.

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AMHS Fleet Condition Survey Report

AMHS contractor Glosten Associates has completed the yearly vessel condition surveys for the Malaspina, Columbia, Tustumena, Lituya, Aurora, Matanuska, and Kennicott. The contract also included designing and building a new electronic database system for tracking the physical condition of the individual ships.

Financial Reports to Ship Captains.

AMHS management continues to provide vessel captains, and senior vessel crew with monthly financial, and cost to operate statements. This effort is intended to engage the ships officers with shore side management, and to solicit their suggestions regards vessel cost savings and efficiency suggestions.

Terminals

Haines ACF End Berth Second Phase

This project consists of design, construction and the addition of two bow/stern loading docks for berthing the new Alaska Class Ferries. Shore side and uplands improvements will also take place. The environmental document has been approved, and final design is completed. This project is currently on hold.

Prince Rupert Ferry Terminal Replacement

The Prince Rupert ferry terminal dock replacement project remains in a stalemate over Buy America act compliance issues, and on January 29, 2018 DOT&PF sent a Buy America Waiver request to FHWA in Juneau for initial review before being send to Washington D.C. for consideration. In the meantime, AMHS is continuing to conduct minor repairs and maintenance in an effort to keep the facility functional and safe, and is also looking at other possible docking options to assure continued stable service to Prince Rupert.

Skagway Ferry Float Replacement

The project is ongoing, with coordination and discussing occurring between the State and the City of Skagway.

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Ketchikan Terminal

This is a two phase project consisting of the replacement of some of the of existing vessel berthing and mooring structures, placement of a new turning dolphin between berths 1 and 3, refurbishment of fenders and platform components at the berth #3 float, construction of a new pedestrian covered walkway structure over the existing sidewalk from the terminal building to the berth #3 approach, and the placement of cathodic protection anodes on existing pile supported structures at berths #1 and #3. The first phase of the project consisted of a dolphin upgrade, with covered catwalk from the terminal to berth #3, along with some utility work being completed. The Berth 3 side fender upgrades and remaining utility work on the Berth # 1 transfer bridge will be completed in March 2020.

Ward Cove Layup and Working Berth Facility for AMHS

Details still need to be worked out between the state and the EPA regarding the environmental aspects of the project and its potential to disturb the sediment cap. The AMHS has met with AIDEA to discuss possible funding options for construction of the marine layup facility, which is an ongoing effort.

AMHS Gustavus Terminal Improvements

In December 2013, a storm damaged the facility. The environmental document work has been completed and design is underway. The construction is now expected to be completed in September 2019.

Tenakee Springs Dock Replacement

Project scoping is underway and a conceptual alternative design has been approved and selected by the City of Tenakee. A design consultant has been selected and the notice to proceed is being reviewed. Construction is expected to be completed in December 2019.

Waste Water Treatment System Replacement

Preliminary design work and environmental scoping is ongoing for the replacement of in ground wastewater systems located at state owned terminals in Auke Bay, Sitka, Haines, and Skagway. The project is expected to be completed in September 2019.

Underground Diesel Storage tank Removal

Eight underground diesel storage tanks located at state owned terminals in Skagway, Juneau, Wrangell, Petersburg, Ketchikan, Cordova, Sitka, and Valdez are being removed and replaced by above ground storage tanks. A consultant for the project is currently being procured. The project is expected to be completed in December 2019.

Auke Bay Terminal Improvements

This project includes work to install an east stern berth dolphin, along with sanitary sewer and shore tie power upgrades. The project is expected to be completed in December 2019.

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Kodiak Terminal

This project is completed although not closed out yet, and not turned over to the City of Kodiak, as change orders for additional security fencing and pursers shack still remain. AMHS plans to complete that additional work soon.

Shore side Condition Survey

The annual shore side marine terminal inspections for FY 2018 are underway, with the process of drafting the report to follow.