

Alaska Marine Highway System: Ferry Vessel Refurbishment

FY2012 Request: \$15,000,000
Reference No: 40380

AP/AL: Allocation

Project Type: Renewal and Replacement

Category: Transportation

House District: Statewide (HD 1-40)

Location: Statewide

Contact: Jim Beedle

Impact House District: Statewide (HD 1-40)

Contact Phone: (907)465-6977

Estimated Project Dates: 07/01/2011 - 06/30/2018

Appropriation: Surface Transportation Program

Brief Summary and Statement of Need:

Provide ferry refurbishment, meet regulatory requirements, and refurbish components on ferries as identified in the annual Alaska Marine Highway System (AMHS) Fleet Condition Survey Report. This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.

Funding:	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	Total
Fed Rcpts	\$15,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$115,000,000
Total:	\$15,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$20,000,000	\$115,000,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
9% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

\$20,000,000 - Ch 43 SLA 2010 Sec 7 pg 43 ln 27; \$18,000,000 - Ch 15 SLA 2009 Sec 1 pg 30 ln 3; \$17,500,000 - Ch 29 SLA 2008 Sec 13 pg 167 ln 9; \$25,000,000 - Ch 30 SLA 2007 Sec 4 pg 111 ln 10; \$3,500,000 - Ch 82 SLA 2006 Sec 1 pg 94 ln 8; \$28,500,000 - Ch 3 FSSLA 2005 Sec 1 pg 77 ln 9.

Project Description/Justification:

Funding refurbishment of the existing AMHS ferry fleet is critical to maintaining a reliable and efficient transportation system serving traffic between Bellingham throughout Southeastern Alaska, across the Gulf of Alaska to Kodiak and the communities out the Aleutian Chain. This funding will support a continuing refurbishment program to enable these vessels to continue to serve over the next five to ten years. Each vessel's propulsion, electrical, plumbing, sewage treatment, ventilation and communication systems and the crew and passenger lounges, dining rooms, cafeterias, hotel facilities, hull and components in general are all in various states of deterioration and in need of refurbishment. Other improvements relate to meeting regulatory requirements mandated by the U.S. Coast Guard and the Transportation Security Administration. This funding allows the AMHS to implement a periodic refurbishment of those components on each ferry most in need of refurbishment and equipment installations on a priority basis to provide for safe, reliable and comfortable service. Refurbishment and regulatory needs exceed the funding requested; however, this request will address the most urgent needs.

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Current Projects include:

Leconte - \$8,715,330

Renovate accommodation and machinery spaces; inspect/ upgrade mechanical and structural as needed in areas being renovated. Remove any asbestos containing material in areas being renovated. Upgrade/ modify navigational, communications, and life saving equipment. Upgrade electrical services, blast and paint decks, bulkheads, overheads, tanks and voids. Perform engine, generator, machinery, deck equipment upgrades and stability assessment.

Taku - \$9,177,037

Project Scope: SOLAS Fire Safety Modifications including structural fire protection, fire extinguishing upgrade, marine evacuation system replacement, power management system installation as recommended in the 2009 Vessel Condition Survey, the American Bureau of Shipping (ABS) current and future survey status, the Coast Guard inspection status, and compliance with existing and pending regulations, and stability assessment

Upcoming project currently in the design phase include:

Aurora - \$8,500,000 estimate

Refurbish accommodation and machinery spaces: main engine refurbish/ major overhaul: mechanical and electrical systems upgrades; preservation of exterior and interior structure; deck equipment; renovation of crew accommodation spaces; public space upgrades; upgrades as recommended in the 2010 vessel condition survey, the ABS current and future survey status; the Coast Guard inspection status and compliance with existing and pending regulations.

AMHS Slide Project - \$4,600,000 estimate

The project consists of the installation of evacuation slides on the M/V Malaspina, Columbia and Tustumena. The design work will describe the removal and replacement of the existing Marine Evacuation System (MES) including MES frames, liferafts, liferaft racks and frames, and all associated equipment. The design will include details for the installation of a new slide type Marine Evacuation System with evacuation slides, housings, liferafts, liferaft racks and frames and all associated equipment. Specified work will include removal of asbestos containing material, if present.

AMHS Fleet Electrical Generation Upgrades - \$5,900,000 estimate

The purpose of this project is to verify the physical condition of the fleet's power generation and distribution systems from the generators to the motor controllers. Information from the Fleet Condition Survey, independent reports as well as on board inspections will be utilized. This project includes identifying any abnormal physical or operating conditions or practices that require alterations/ modifications. The outcome of the project will be to correct these conditions with alterations/ modifications performed in accordance with the applicable regulatory requirements and or AMHS operational procedures.