

**Alaska Marine Highway System - Intelligent Transportation Systems Implementation Plan**      **FY2015 Request: \$200,000**  
**Reference No: 54326**

**AP/AL:** Allocation      **Project Type:** Construction  
**Category:** Transportation      **House District:** Statewide (HD 1-40)  
**Location:** Statewide      **Contact:** Jeff Ottesen  
**Impact House District:** Statewide (HD 1-40)      **Contact Phone:** (907)465-4070  
**Estimated Project Dates:** 07/01/2014 - 06/30/2021  
**Appropriation:** Surface Transportation Program

**Brief Summary and Statement of Need:**

This project provides for a security system enhancement and upgrade program for the Alaska Marine Highway System's (AMHS) security camera system located at ten of its main ferry terminals from Homer to Ketchikan.

<b>Funding:</b>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>Total</u>
Fed Rcpts	\$200,000						\$200,000
<b>Total:</b>	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000

<input checked="" type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input checked="" type="checkbox"/> Phased - underway	<input 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	
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

Sec1 Ch17 SLA2012 P142 L6 SB160 \$250,000

**Project Description/Justification:**

The system operates 24/7 and timely replacement of critical system components as they reach the end of their projected service life significantly improves the dependability of critical security components. Security system enhancements improve overall monitoring coverage between Alaskan roadways and the marine highway transportation system. The AMHS security camera program fits in with the goals of the Alaska Iways Architecture. Specifically it meets the goals of the "Traveler Safety & Infrastructure Security" program area. Since the events of September 11, 2001, great emphasis has been placed on preserving the safety of travelers and security of infrastructure by using advanced technology. A critical factor in the overall aspect of this movement involves securing transportation assets in an effort to reduce exposure to terrorist attacks and other events that may damage or otherwise affect the operational status of critical infrastructure, such as the AMHS terminals and vessels.

This project includes programmed preventative maintenance of existing internal and external fixed and pan-tilt-zoom (PTZ) security video cameras, associated pressurized and heated weather domes and mounting hardware, supporting video archive systems, backup power supplies, distribution and network connection systems. The work to be performed includes: the 5-year service life replacement of both PTZ and fixed exterior and interior analog cameras with upgrades to new digital technology

with transition to PoE transfer systems; the 5-year replacement cycle of fiber converter switch modules (fiber optic cable transceivers); the 6-year replacement cycle of system battery backup (UPS) units; the 6-year replacement of camera archive servers with upgrade to mirrored RAID storage; and the 5-year replacement of camera computer workstations and monitors at local and remote monitoring stations.