

**Alaska Marine Highway System - Intelligent Transportation Systems Implementation Plan**      **FY2013 Request: \$250,000**  
**Reference No: 54326**

**AP/AL:** Allocation      **Project Type:** Construction  
**Category:** Transportation  
**Location:** Statewide      **House District:** Statewide (HD 1-40)  
**Impact House District:** Statewide (HD 1-40)      **Contact:** Pat Kemp  
**Estimated Project Dates:** 07/01/2012 - 06/30/2019      **Contact Phone:** (907)465-3900  
**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>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>Total</b>
Fed Rcpts	\$250,000						\$250,000
<b>Total:</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = 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>

**Additional Information / Prior Funding History:**

None.

**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 provides significantly improved stability and dependability of critical security components. This ensures security system enhancements that improve overall monitoring coverage of the interfaces 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 onsite 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.

This project contributes to the Department's Mission by reducing injuries, fatalities and property damage and by improving the mobility of people and goods.