Alaska Marine Highway System - Pelican Ferry Terminal Renovation **FY2012 Request: $3,000,000** **Reference No: 51835**

AP/AL: Allocation
Category: Transportation
Location: Pelican
Impact House District: Sitka/Wrangell/Petersburg (HD 2)
Estimated Project Dates: 07/01/2011 - 06/30/2018
Appropriation: Surface Transportation Program

Project Type: Renovation and Remodeling
House District: Sitka/Wrangell/Petersburg (HD 2)
Contact: Pat Kemp, Deputy Commissioner
Contact Phone: (907)465-3900

Brief Summary and Statement of Need:
This is a new capital request because of a STIP amendment that occurred after the December 15 release of the Governor's FY2012 budget. The replacement of ferry transfer ramps and platform dock, including but not limited to superstructure, substructure, and fenders; provide area lighting, and other improvements as needed. 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	$3,000,000						$3,000,000
Total:	$3,000,000	$0	$0	$0	$0	$0	$3,000,000

☐ State Match Required ☑ One-Time Project ☐ Phased - new ☐ Phased - underway ☐ On-Going
0% = Minimum State Match % Required ☐ Amendment ☐ Mental Health Bill

Operating & Maintenance Costs:

	Amount	Staff
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:
None.

Project Description/Justification:
The Pelican Ferry Terminal is located near the south end of the Pelican Boat Harbor and consists of a fixed platform dock, two tidal ramps and ancillary mooring structures. The facility was originally constructed in 1975 with extensive modification in 1980. The dock and ramps are hollow-core precast concrete panels supported by galvanized steel beams and pipe piles. Treated bull rails are bolted to the longitudinal edges of the dock and ramps.
The lower portion of the low-tide ramp is often submerged in seawater and the concrete decking and steel substructure are severely deteriorated. Several lineal feet of the cores in the precast panels have ruptured and there are numerous penetrations through the panels. The failed condition of the low-tide ramp required a bridge closure in 2005. An emergency repair, consisting of timber mats bridging the damaged concrete panels, currently permits use of the low tide ramp at a reduced load rating.
The general condition of both tide ramps and dock is poor. All concrete panels exhibit heavy efflorescence and the corrosion protection of the piles and steel framing is exhausted. The bull rails provide inadequate protection for vehicles and pedestrians. Timber fenders along the seaward face

of the dock have failed and provide no protection from vessel collision.
Recommended action:
- Remove and dispose of existing concrete superstructure and steel substructure.
- Furnish and install approximately 6,000 sq ft platform dock and twin tidal ramps consisting of:
Galvanized steel pipe piling and steel framing,
Precast solid concrete planks or concrete filled steel grid decking, and
Bridge and pedestrian steel tube railing.
- Furnish and install 6 modular fenders each with energy absorbing rubber elements, and
- Furnish and install area lighting.