

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Matanuska-Susitna Borough****Federal Tax ID: 92-0030816****Project Title:****Project Type: Maintenance and Repairs**

Matanuska-Susitna Borough - Port MacKenzie Cathodic Protection

State Funding Requested: \$5,500,000**House District: Mat-Su Areawide (7-11)**

One-Time Need

Brief Project Description:

Cathodic and sheathing protection for dock piles and barge dock sheet piles.

Funding Plan:

Total Project Cost:	\$5,500,000
Funding Already Secured:	(\$0)
FY2014 State Funding Request:	<u>(\$5,500,000)</u>
Project Deficit:	\$0

Funding Details:

N/A

Detailed Project Description and Justification:

This project will install 57 pipe pile sleeves, 14 fender pile sleeves, and an Impress Current Anode System to protect the piles from completely losing the hot-dipped galvanized coating. This will slow down the deterioration of the piles due to scour and ice impact, as well as material loss due to corrosion. The initial zinc coatings on the deep-draft dock support and fender piles are mostly worn off, as documented by engineers. Each pile sleeve repair will consist of two HDPE half-sleeves, 30' in length, fastened with three sleeve clamps. The Impressed Current Anode System will be installed mid-way between the deep-draft dock and the sheet pile barge dock to protect both docks. The project will extend the useful life of the deep-draft dock and barge dock approximately another 20 years, thus saving/deferring tens of millions of dollars on future repair and replacement of the piles. The project could be completed within two years.

Project Timeline:

Design and engineering to commence within one year of funding

Construction and installation of pile sleeves and anode system within three years of funding.

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Matanuska-Susitna Borough

Grant Recipient Contact Information:

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Has this project been through a public review process at the local level and is it a community priority? Yes No