

## **Department of Port Control**

Ord. No.: 1032-18

Business Development and Management

### **EXECUTIVE SUMMARY**

The Department of Port Control is requesting authority to enter into one or more contracts with the Cleveland-Cuyahoga County Port Authority to provide technical assistance and to procure a comprehensive maritime infrastructure assessment of the City owned properties commonly known as Docks 28b, 30 and 32 and the North Coast Harbor.

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#### **Background/Purpose:**

North Coast Harbor and the Docks are abutted by approximately 6,650 lineal feet of maritime infrastructure, including bulkheads, revetments and other forms of retaining walls. According to best practice engineering standards, the inspection of shoreline infrastructure of this type should occur every 6 years to determine their overall condition and the cost to repair any defects. The subject properties are due for comprehensive maritime infrastructure assessments, having only been partially inspected in April of 2008 (Docks) and August of 2011 (NCH).

The Port Authority has agreed, based on its expertise and resources to procure the necessary engineering and inspection services for such an assessment and to provide the organization's specialized technical assistance to help address any identified issues. The proposed legislation will authorize the Department to enter into a one-year agreement in an amount not to exceed \$115,000 for this purpose.

#### **Scope:**

The Port Authority will help to facilitate and analyze the following components of the comprehensive maritime infrastructure assessment of the Docks and NCH:

- Condition report highlighting existing conditions of all areas above and below the waterline.
- Remaining useful life of existing maritime infrastructure with recommended and required future maintenance/repairs (non-structurally deficient areas).
- Summary of structurally deficient areas of maritime infrastructure w/ supplemental basic design details and cost estimates.
- 10-15% design cost estimates of required repairs and rehabilitation.
- Design drawings to supplement cost estimates and highlighting basic design concepts.
- Design drawings/map highlighting maritime infrastructure w/ appropriate positioning and stationing.
- Any other information that may be necessary or deemed pertinent to assist with future planning of maritime infrastructure upgrades.

**Justification:**

The proposed legislation is advisable for the following reasons:

- A comprehensive maritime infrastructure assessment has not been performed on the Docks or NCH within the last 6 years, which does not adhere to best practice engineering standards.
- There is an urgent need to discern if the shorelines of the Docks and NCH offer the structural integrity to support the future development and waterside uses planned for the downtown lakefront.
- This assessment will identify any upgrades or repairs needed to prolong the useful life of existing maritime infrastructure.
- The Port Authority offers the requisite maritime engineering expertise to procure, task and evaluate the professional service providers that will perform all assessments and produce any related reports.
- The Port Authority is embarking on a similar assessment of their eastern docks and by combining scopes and mobilizing consultants at the same time as the City; there are certain economies of scale that can be gleaned to reduce costs.

**Anticipated Cost:**

The cost of the contract is \$115,000.

**Schedule or Term of Contract:**

The Department is requesting a term of one year.

**Current Contract:**

N/A