

## EXPLANATION OF CONSENT AGENDA ITEM E.2.c.(16) October 28, 2015

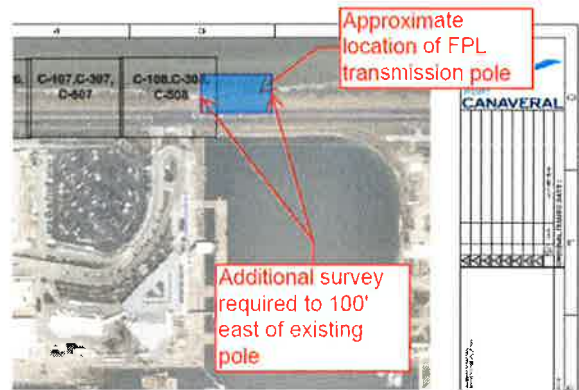
### ITEM:

Consideration of approving an increase to purchase order P13011 to ATM (Applied Technology & Management, Inc.) under their continuing service contract for survey work on SR401 River Bank for erosion documentation in an amount not to exceed \$3285.00. (Crowe/Hicks)

### EXPLANATION:

A purchase order was approved to ATM in 2013 for bathymetric survey to support plans to improve severely eroded areas, located at (1) State Road (SR) 401 bend, (2) a berm area on the regional stormwater pond north of the locks and (3) an area southwest of the CT-10 parking garage. The design engineer of record prepared the plan alternatives, cost estimates, and biological resource surveys. Since this original authorization, a series of meetings have been held with all the regulatory agencies and numerous design slope alternatives have been presented to the agencies for permitting.

The Army Corps of Engineers has requested revisions to the proposed design slope along the embankment and that additional areas of concern for erosion be included in the design and construction project. This expanded area is being added to the scope for bathymetric survey, design and permitting and ultimately construction.



### **Funding Review by Finance (Pat Poston):**

The total NTE amount of \$3,285 is included in the FY16 Capital Budget and no increase is required. [Budget item 2222 - SR401 Improvements]

**Staff Recommends Approval**

**Prepared by: Bill Crowe, P.E.**

A handwritten signature in blue ink, appearing to read "Bill Crowe".



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**Surveying Services**  
**Cape Canaveral, FL**  
**Port Canaveral Shoreline**  
**Stabilization Project**

**Applied Technology &  
Management, Inc.**

**Contract No. P13011**

**Initial Scope of Services**

**October 13, 2015**

At the request of the Canaveral Port Authority (CPA), Applied Technology & Management, Inc. (ATM) has prepared this Scope of Services and Budget Estimate for Surveying Services related to the above referenced project in Port Canaveral, FL. The following are scopes and professional labor fees for requested surveying.

**Task 1 –Topographic Survey**

The following services will be conducted under this task:

- Topographic Survey of the Shoreline along SR 401, exact area indicated on ATKINS drawing C-001, and provided to this office by the CPA. Topographic data will extend from the existing north edge of pavement of SR 401 to the Ordinary High Water Line and into the Banana River to wading depth. All physical and topographical features will be mapped. Survey profiles will be spaced at 50 feet intervals along the requested survey area.
- Survey control will be based on the Florida State Plane Coordinate System, East Zone, NAD'83/90 in U.S. Survey Feet. Vertical datum for the topography will be the North American Vertical Datum of 1988 (NAVD 88) also in feet.
- Survey data will be processed and an AutoCAD drawing produced showing plan view and cross section views of each survey profile.

***Environmental & Coastal Engineers, Scientists & Management Consultants***

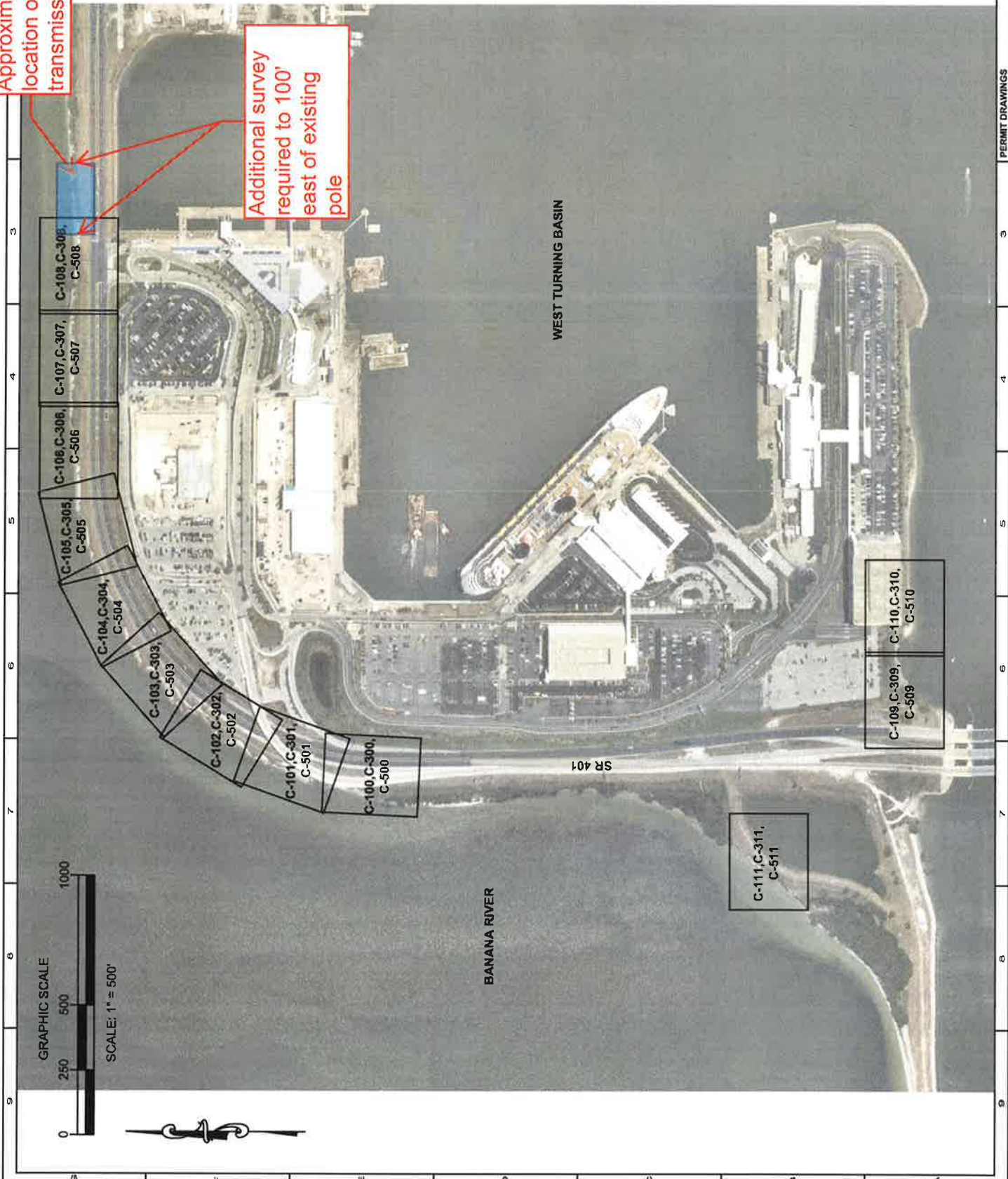
- Estimated cost for the above described work will be \$3285. Actual billing will be based on time, equipment and materials consistent with current rates established with the Canaveral Port Authority.

**ATKINS**  
 145 CHALLENGER ROAD, SUITE 301  
 CANAVERAL, FL 32920  
 PROJECT NO. 100000000  
 DRAWN BY: JLP  
 CHECKED BY: MDS  
 DATE: 11/20/2009  
 SHEET NO. C-001

**PROJECT LAYOUT**  
 PORT CANAVERAL SHORELINE STABILIZATION  
 THE CANAVERAL PORT AUTHORITY  
 445 CHALLENGER ROAD, SUITE 301  
 CANAVERAL, FL 32920

NO.	DATE	DESCRIPTION

ORIGINAL ISSUED DATE: \_\_\_\_\_



Approximate location of FPL transmission pole

Additional survey required to 100' east of existing pole



PERMIT DRAWINGS